

Device for Exhaust Gas After Treatment of Motor Vehicles, in Particular, Diesel Engine Vehicles

Abstract

A device for exhaust gas after treatment of motor vehicles has a pump device for supplying a solution to the exhaust gas manifold. The pump device is a metering pump having a connecting part that opens into the exhaust gas manifold. The pump device has a piston and a piezo element for actuating the piston. The pump device has a housing provided with a housing chamber. The connecting part is arranged in the housing chamber that is located at an end face of the housing. The pump device has a pressure chamber for receiving the solution. A first check valve closes off the pressure chamber relative to the connecting part. The housing of the pump device has a supply line, and the piston sucks in the solution from the supply line. The pump device has a second check valve for closing off the supply line.